



US 20170109868A1

(19) **United States**(12) **Patent Application Publication****Ahonen et al.**(10) **Pub. No.: US 2017/0109868 A1**(43) **Pub. Date: Apr. 20, 2017**(54) **ELECTRONIC DEVICE AND METHOD IN
AN ELECTRONIC DEVICE FOR
PROCESSING IMAGE DATA****H04N 5/262** (2006.01)**H04N 5/378** (2006.01)**G06T 5/20** (2006.01)**H04N 5/232** (2006.01)(71) Applicant: **Nokia Technologies Oy**, Espoo (FI)(72) Inventors: **Petri Ahonen**, Jyväskylä (FI); **Simo Rossi**, Palokka (FI)(73) Assignee: **Nokia Technologies Oy**(21) Appl. No.: **15/392,403**(22) Filed: **Dec. 28, 2016**(52) **U.S. Cl.**CPC **G06T 5/002** (2013.01); **G06T 5/20**
(2013.01); **H04N 5/23212** (2013.01); **H04N**
5/23229 (2013.01); **H04N 5/2621** (2013.01);
H04N 5/378 (2013.01); **H04N 5/907**
(2013.01); **H04N 5/23293** (2013.01); **G06T**
2207/10004 (2013.01); **G06T 2207/20024**
(2013.01)**Related U.S. Application Data**

(63) Continuation of application No. 14/563,241, filed on Dec. 8, 2014, now Pat. No. 9,552,627, which is a continuation of application No. 11/792,120, filed on May 31, 2007, now Pat. No. 8,908,080, filed as application No. PCT/FI2005/050474 on Dec. 22, 2005.

Foreign Application Priority Data

Dec. 29, 2004 (FI) 20045511

Publication Classification(51) **Int. Cl.****G06T 5/00** (2006.01)**H04N 5/907** (2006.01)**ABSTRACT**

The invention relates to an electronic device for performing imaging, including a camera for creating image data (ID) from an imaging target (IT), the imaging target (IT) including at least one primary image object (I1) and at least one secondary image object (I2), an image-processing chain arranged in connection with the camera, for processing the image data created from the imaging target, and a focussing unit for focussing the camera on at least the primary image object. In addition, a blurring unit is arranged in the image-processing chain, to blur at least some of the said secondary image objects in the image data, and arranged to use the information produced by the focussing unit.

